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Microstructure and Mechanical Properties Analysis of Metallic Structural Materials

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Message from the Guest Editors

Metallic structural materials have wide applications in automobiles, high-speed air or ground transportation, clean energy, or more advanced space exploration techniques. Designing and developing metallic structural materials for today's modern society demands a comprehensive understanding of the complex relationships among processing, microstructures and mechanical properties. Modern research significantly engages in engineering microstructures in order to improve their mechanical properties. The strengthening of mechanisms that contribute to mechanical properties can originate from very different length scales in microstructural features.

The articles presented in this Special Issue will focus on, but are not limited to, the following topics: metallic materials design, materials processing, advanced characterization techniques, mechanical properties, and strengthening and deformation mechanisms.

We kindly invite you to submit a manuscript for publication in this Special Issue. Full papers, communications, and reviews are all welcome.



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Message from the Editor-in-Chief

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